

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	4	("5367685" "6581206" "20030079049" "6711576").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/16 11:38
L4	70	Sokolov-s\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/16 11:39
L5	45	Sokolov-st\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/16 11:39
L6	45	Sokolov-step\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/16 11:39
L7	3	Sokolov-step\$.in. and ((byte or bit) and string).ti,ab.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/16 11:40
L8	3	("5444445"   "5784071"   "5793381").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/16 11:51
L9	3	java adj string adj library	US-PGPUB; USPAT	OR	ON	2005/04/16 12:05
L10	7	string with (representation or model) with byte with character	US-PGPUB; USPAT	OR	ON	2005/04/16 12:05
L11	60	java same (string adj object)	US-PGPUB; USPAT	OR	ON	2005/04/16 12:05
L12	0	java same (string adj object) same bype same character	US-PGPUB; USPAT	OR	ON	2005/04/16 12:06
L13	4	java same (string adj object) same byte same character	US-PGPUB; USPAT	OR	ON	2005/04/16 12:49
L14	10	java same (string adj object) same byte	US-PGPUB; USPAT	OR	ON	2005/04/16 12:06
L15	8	(string adj object) same representation same byte	US-PGPUB; USPAT	OR	ON	2005/04/16 12:06
L16	457	string same representation same byte	US-PGPUB; USPAT	OR	ON	2005/04/16 12:07
L17	68	string same representation same ((one or two) adj byte)	US-PGPUB; USPAT	OR	ON	2005/04/16 12:07
L18	10	string same representation same (one adj byte) same (two adj byte)	US-PGPUB; USPAT	OR	ON	2005/04/16 12:08
L19	21	string same representation same (byte) same flag	US-PGPUB; USPAT	OR	ON	2005/04/16 13:21
L20	503	(string same character) and ((one adj byte) same (two adj byte))	US-PGPUB; USPAT	OR	ON	2005/04/16 12:19
L21	0	( string with chatacter) same (one adj byte) same (two adj byte) same java	US-PGPUB; USPAT	OR	ON	2005/04/16 12:10

L22	3	( string with character) same (one adj byte) same (two adj byte) same java	US-PGPUB; USPAT	OR	ON	2005/04/16 12:10
L23	7	( string same character) same (one adj byte) same (two adj byte) same java	US-PGPUB; USPAT	OR	ON	2005/04/16 13:33
L24	7	( string) same (one adj byte) same (two adj byte) same java	US-PGPUB; USPAT	OR	ON	2005/04/16 13:30
L25	11	( string same character) same (one adj byte) same (two adj byte) and java	US-PGPUB; USPAT	OR	ON	2005/04/16 12:11
L26	8	( string same character) same ((one adj byte) or (two adj byte)) same java	US-PGPUB; USPAT	OR	ON	2005/04/16 12:12
L27	13	( string) same ((one adj byte) or (two adj byte)) same java	US-PGPUB; USPAT	OR	ON	2005/04/16 13:31
L28	1	( string same character) same (one adj byte) same (two adj byte) same java	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/16 12:12
L29	1414	(string same character) and (((one adj byte) or ASCII) same ((two adj byte)) or (double adj byte) or unicode)	US-PGPUB; USPAT	OR	ON	2005/04/16 13:39
L30	54	(string same character) and (((one adj byte) or ASCII) same ((two adj byte)) or (double adj byte) or unicode) same Java	US-PGPUB; USPAT	OR	ON	2005/04/16 12:20
L31	23	(string same character) same (((one adj byte) or ASCII) same ((two adj byte)) or (double adj byte) or unicode) same Java	US-PGPUB; USPAT	OR	ON	2005/04/16 12:20
L32	1	( string same character) same (one adj byte) same (two adj byte) same java	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/16 13:33
L33	1	( string) same (one adj byte) same (two adj byte) same java	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/16 13:33
L34	107	(string same character) and (((one adj byte) or ASCII) same ((two adj byte)) or (double adj byte) or unicode)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/16 13:34
L35	1	(string same character) and (((one adj byte) or ASCII) same ((two adj byte)) or (double adj byte) or unicode) same java	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/16 13:34
L36	1	(string same character) and (((one adj byte) or ASCII) same ((two adj byte)) or (double adj byte) or unicode) same constructor	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/16 13:34

L37	3	(string same character) and (((one adj byte) or ASCII) same ((two adj byte)) or (double adj byte) or unicode) same allocate	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/16 13:36
L38	0	719/315-316.ccls.	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/16 13:36
L39	1120	719/315-316.ccls.	US-PGPUB; USPAT	OR	ON	2005/04/16 13:36
L40	1281	717/114.ccls. or 717/116.ccls. or 717/118.ccls. or 717/148.ccls. or 717/146.ccls. or 717/139.ccls.	US-PGPUB; USPAT	OR	ON	2005/04/16 13:38
L41	1575	718/1.ccls. or 707/103\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/04/16 13:38
L42	1649	341/67.ccls. or 341/50.ccls. or 341/87.ccls.	US-PGPUB; USPAT	OR	ON	2005/04/16 13:39
L43	5436	39 or 40 or 41 or 42	US-PGPUB; USPAT	OR	ON	2005/04/16 13:39
L44	107	29 and 43	US-PGPUB; USPAT	OR	ON	2005/04/16 13:40
L45	48	29 and 43 and Java	US-PGPUB; USPAT	OR	ON	2005/04/16 13:40
L46	9	29 and 43 and Java.ti,ab.	US-PGPUB; USPAT	OR	ON	2005/04/16 13:42
L47	13	30 and 43	US-PGPUB; USPAT	OR	ON	2005/04/16 13:42
L48	13	30 and 43 and Java	US-PGPUB; USPAT	OR	ON	2005/04/16 13:42
S1	3	java adj string adj library	US-PGPUB; USPAT	OR	ON	2004/08/03 14:08
S2	9	("5579518"   "5664189"   "5784069"   "5793381"   "5875335"   "5966702"   "6049869"   "6166666"   "6400287").PN.	USPAT	OR	ON	2004/08/02 13:37
S3	10	("5440482"   "5485373"   "5758314"   "5787452"   "5793381"   "5832507"   "5873111"   "5929729"   "6049869"   "6055365").PN.	USPAT	OR	ON	2004/08/02 13:39
S4	4	("5548507"   "5634134"   "5640587"   "5715466").PN.	USPAT	OR	ON	2004/08/02 13:40
S5	3	("5444445"   "5784071"   "5793381").PN.	USPAT	OR	ON	2004/08/02 13:51
S6	6	string with (representation or model) with byte with character	US-PGPUB; USPAT	OR	ON	2004/08/02 15:29
S7	4	("5153729"   "5479609"   "5600821"   "6031964").PN.	USPAT	OR	ON	2004/08/02 14:19

S8	48	java same (string adj object)	US-PGPUB; USPAT	OR	ON	2004/08/02 15:30
S9	0	java same (string adj object) same bype same character	US-PGPUB; USPAT	OR	ON	2004/08/02 15:31
S10	0	java same (string adj object) same bype	US-PGPUB; USPAT	OR	ON	2004/08/02 15:31
S11	9	java same (string adj object) same byte	US-PGPUB; USPAT	OR	ON	2004/08/02 15:54
S12	4	("5768564"   "6029207"   "6158044"   "6305009").PN.	USPAT	OR	ON	2004/08/02 15:39
S13	16	("5187787"   "5475845"   "5504892"   "5627979"   "5692183"   "5790855"   "5878432"   "5915252"   "5924101"   "6016495"   "6018743"   "6061505"   "6061515"   "6125364"   "6141660"   "6173439").PN.	USPAT	OR	ON	2004/08/02 15:45
S14	0	(string adj object) same representation same byte	US-PGPUB; USPAT	OR	ON	2004/08/02 15:55
S15	7	(string adj object) same representation same byte	US-PGPUB; USPAT	OR	ON	2004/08/02 15:59
S16	402	string same representation same byte	US-PGPUB; USPAT	OR	ON	2004/08/02 15:59
S17	42	string same representation same (one adj byte)	US-PGPUB; USPAT	OR	ON	2005/04/16 12:07
S18	1	string same representation same (one adj byte) same flag	US-PGPUB; USPAT	OR	ON	2005/04/16 12:08
S19	8	string same representation same (one adj byte) same (two adj byte)	US-PGPUB; USPAT	OR	ON	2004/08/02 17:13
S20	2	((("6708177") or ("6370581")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/02 17:13
S21	2	("6260083"   "6513002").PN.	USPAT	OR	ON	2004/08/02 17:15
S22	4	"6260083".URPN.	USPAT	OR	ON	2004/08/02 17:17
S23	2	("6260083"   "6513002").PN.	USPAT	OR	ON	2004/08/02 17:17
S24	21587	string same character	US-PGPUB; USPAT	OR	ON	2004/08/03 14:08
S25	3005	(one adj byte) same (two adj byte)	US-PGPUB; USPAT	OR	ON	2004/08/03 14:10
S26	467	(string same character) and ((one adj byte) same (two adj byte))	US-PGPUB; USPAT	OR	ON	2004/08/03 14:09
S27	0	( string with chatacter) same (one adj byte) same (two adj byte) same java	US-PGPUB; USPAT	OR	ON	2004/08/03 14:13
S28	0	( string same chatacter) same (one adj byte) same (two adj byte) same java	US-PGPUB; USPAT	OR	ON	2004/08/03 14:13

S29	0	( string same chatacter) same (one adj byte) same (two adj byte) and java	US-PGPUB; USPAT	OR	ON	2004/08/03 14:13
S30	1	"5664189".pn.	US-PGPUB; USPAT	OR	ON	2004/08/03 14:11
S31	0	( string same chatacter) same ((one adj byte) or (two adj byte)) same java	US-PGPUB; USPAT	OR	ON	2004/08/03 14:13
S32	3	( string with character) same (one adj byte) same (two adj byte) same java	US-PGPUB; USPAT	OR	ON	2004/08/03 14:14
S33	7	( string same character) same (one adj byte) same (two adj byte) same java	US-PGPUB; USPAT	OR	ON	2004/08/03 16:20
S34	10	("5303149"   "5367675"   "5488725"   "5548758"   "5717915"   "5732265"   "5813009"   "5826265"   "5829006"   "5838965").PN.	USPAT	OR	ON	2004/08/03 14:31
S35	11	( string same character) same (one adj byte) same (two adj byte) and java	US-PGPUB; USPAT	OR	ON	2004/08/03 16:20
S36	8	( string same character) same ((one adj byte) or (two adj byte)) same java	US-PGPUB; USPAT	OR	ON	2004/08/03 15:10
S37	1	("6581077").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/03 15:13
S38	1	("6557032").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/03 15:14
S39	1	("6557023").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/03 16:09
S40	0	("wo73894").PN.	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/03 16:09
S41	0	("wo73894").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/03 16:09
S42	1	( string same character) same (one adj byte) same (two adj byte) same java	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/03 16:20
S43	1	( string same character) same (one adj byte) same (two adj byte) and java	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/03 16:20

S44	6	("6166666" "6400287" "6049869" "5784069" "5793381" "5966702").Pn.	US-PGPUB; USPAT	OR	ON	2005/04/15 16:27
S45	1	("6751790").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/15 16:28
S46	9	("5579518"   "5664189"   "5784069"   "5793381"   "5875335"   "5966702"   "6049869"   "6166666"   "6400287").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/16 11:32



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# 1 [JAZZ: an efficient compressed format for Java archive files](#)

Quetzalcoatl Bradley, R. Nigel Horspool, Jan Vitek

November 1998 **Proceedings of the 1998 conference of the Centre for Advanced Studies on Collaborative research**Full text available: [pdf\(73.54 KB\)](#)
 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Jazz file format is intended to be a replacement for the JAR file format when used for storage and distribution of Java programs. A Jazz file is compressed to a degree that far exceeds what is possible with a JAR file. The smaller size of the Jazz format permits faster transmission speeds over a network and has the additional benefit of conserving disk storage. The compression is achieved as a combination of different data compression methods, adapted to suit the characteristics of collectio ...

# 2 [Compact Java binaries for embedded systems](#)

Derek Rayside, Evan Mamas, Erik Hons

November 1999 **Proceedings of the 1999 conference of the Centre for Advanced Studies on Collaborative research**Full text available: [pdf\(124.35 KB\)](#)
 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Embedded systems bring special purpose computing power to consumer electronics devices such as smartcards, CD players and pagers. Java is being aggressively targeted at such systems with initiatives such as the Java 2 Platform, Micro Edition, which introduces certain efficiency optimizations to the Java Virtual Machine. Code size reduction has been identified as an important future goal for ensuring Java's success on embedded systems [20]. However, limited processing power and timing constraints ...

# 3 [Bulk file I/O extensions to Java](#)

Dan Bonachea

June 2000 **Proceedings of the ACM 2000 conference on Java Grande**Full text available: [pdf\(1.11 MB\)](#)
 Additional Information: [full citation](#), [references](#), [index terms](#)
**Keywords:** I/O, Java, asynchronous, bulk

# 4 [Java and distributed object models: an analysis](#)

Marjan Hericko, Matjaz B. Juric, Ales Zivkovic, Ivan Rozman, Tomaz Domajnko, Marjan Krisper

December 1998 **ACM SIGPLAN Notices**, Volume 33 Issue 12

Full text available:

Additional Information:

Java has an important role in building distributed object oriented web enabled applications. In the article an analysis of two distributed object models in context of Java language is presented. Several aspects of RMI and CORBA such as features, maturity, support for legacy systems, learning curve and ease of development are compared. A special emphasis is given to the performances. Different testing scenarios give a complete overview about real world performances of both architectures. Based on ...

**Keywords:** CORBA, Java, RMI, distributed objects, performances

5 An evaluation of Java's I/O capabilities for high-performance computing

Phillip M. Dickens, Rajeev Thakur

June 2000 **Proceedings of the ACM 2000 conference on Java Grande**

Full text available: [pdf\(909.25 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

6 Data size optimizations for java programs

C. Scott Ananian, Martin Rinard

June 2003 **ACM SIGPLAN Notices , Proceedings of the 2003 ACM SIGPLAN conference on Language, compiler, and tool for embedded systems**, Volume 38 Issue 7

Full text available: [pdf\(349.36 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present a set of techniques for reducing the memory consumption of object-oriented programs. These techniques include analysis algorithms and optimizations that use the results of these analyses to eliminate fields with constant values, reduce the sizes of fields based on the range of values that can appear in each field, and eliminate fields with common default values or usage patterns. We apply these optimizations both to fields declared by the programmer and to implicit fields in the runti ...

**Keywords:** bitwidth analysis, embedded systems, field externalization, field packing, size optimizations, static specialization

7 Data transfer between Java Applets and legacy APL systems

B. Amos, G. Disney, D. Sorrey

January 1998 **ACM SIGAPL APL Quote Quad , Proceedings of the conference on Share knowledge share success**, Volume 28 Issue 4

Full text available: [pdf\(843.73 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The rise of Internet technologies (particularly Java) provides many benefits for the development and deployment of user interfaces. In many cases, however, the back end system is behind the times: Internet hostile, no object orientation, etc. How can data be transferred between the new generation front end and the old generation back end without compromising the strengths or integrity of either? This paper discusses the use of customised Java data serialisation to achieve this goal against a lar ...

8 Compressing Java class files

William Pugh

May 1999 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 1999 conference on Programming language design and implementation**, Volume 34 Issue 5

Full text available: [pdf\(1.44 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Java class files are often distributed as jar files, which are collections of individually compressed class files (and possibly other files). Jar files are typically about 1/2 the size of the original class files due to compression. I have developed a wire-code format for collections of Java class files. This format is typically 1/2 to 1/5 of the size of the



corresponding compressed jar file (1/4 to 1/10 the size of the original class files).

## 9 Making the future safe for the past: adding genericity to the Java programming language

Gilad Bracha, Martin Odersky, David Stoutamire, Philip Wadler

October 1998 **ACM SIGPLAN Notices , Proceedings of the 13th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications**, Volume 33 Issue 10

Full text available:  [pdf\(1.91 MB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present GJ, a design that extends the Java programming language with generic types and methods. These are both explained and implemented by translation into the unextended language. The translation closely mimics the way generics are emulated by programmers: it erases all type parameters, maps type variables to their bounds, and inserts casts where needed. Some subtleties of the translation are caused by the handling of overriding. GJ increases expressiveness and safety: code utilizing generic ...

## 10 Systems and prototypes: Java support for data-intensive systems: experiences building the telegraph dataflow system

Mehul A. Shah, Michael J. Franklin, Samuel Madden, Joseph M. Hellerstein

December 2001 **ACM SIGMOD Record**, Volume 30 Issue 4

Full text available:  [pdf\(1.38 MB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Database system designers have traditionally had trouble with the default services and interfaces provided by operating systems. In recent years, developers and enthusiasts have increasingly promoted Java as a serious platform for building data-intensive servers. Java provides a number of very helpful language features, as well as a full run-time environment reminiscent of a traditional operating system. This combination of features and community support raises the question of whether Java is be ...

## 11 Practical extraction techniques for Java

Frank Tip, Peter F. Sweeney, Chris Laffra, Aldo Eisma, David Streeter

November 2002 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 24 Issue 6

Full text available:  [pdf\(1.01 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


Reducing application size is important for software that is distributed via the internet, in order to keep download times manageable, and in the domain of embedded systems, where applications are often stored in (Read-Only or Flash) memory. This paper explores extraction techniques such as the removal of unreachable methods and redundant fields, inlining of method calls, and transformation of the class hierarchy for reducing application size. We implemented a number of extraction techniques in < ...

**Keywords:** Application extraction, call graph construction, class hierarchy transformation, packaging, whole-program analysis

## 12 Security issues surrounding programming languages for mobile code: JAVA vs. Safe-Tcl

Stefanos Gritzalis, George Aggelis

April 1998 **ACM SIGOPS Operating Systems Review**, Volume 32 Issue 2

Full text available:  [pdf\(1.42 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

JAVA is claimed to be a system programming language having a number of advantages over traditional programming languages. These advantages stem from the fact that it is a platform - independent language, thus promising truly network oriented computing as long as a nearly universal system for distributing applications. On the other hand, although being an interpreted, much simpler, scripting language, Safe-Tcl was proposed as an

executable contents type of MIME and thus as the standard language f ...

### 13 Compiling scheme to JVM bytecode:: a performance study

Bernard Paul Serpette, Manuel Serrano

September 2002 **ACM SIGPLAN Notices , Proceedings of the seventh ACM SIGPLAN international conference on Functional programming**, Volume 37 Issue 9

Full text available:  pdf(298.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We have added a Java virtual machine (henceforth JVM) bytecode generator to the optimizing Scheme-to-C compiler Bigloo. We named this new compiler BiglooJVM. We have used this new compiler to evaluate how suitable the JVM bytecode is as a target for compiling strict functional languages such as Scheme. In this paper, we focus on the performance issue. We have measured the execution time of many Scheme programs when compiled to C and when compiled to JVM. We found that for each benchmark, at least ...

**Keywords:** Java virtual machine, compilation, functional languages, scheme

### 14 Performance limitations of the Java core libraries

Allan Heydon, Marc Najork

June 1999 **Proceedings of the ACM 1999 conference on Java Grande**

Full text available:  pdf(873.12 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** Java class libraries, Java performance, web crawling

### 15 Experience programming applets with Ada95

Charles W. Kann, Michael B. Feldman, John Sibert

May 1997 **ACM SIGAda Ada Letters**, Volume XVII Issue 3

Full text available:  pdf(655.39 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Because of its ability to provide platform independent programs and active content on web pages, Java has created much excitement in the computer science community. However, much of the computer science community does not have a good understanding of the Java technology. Java is much more than simply a language for developing programs which run on web pages. It is an environment for developing programs which take advantage of the Internet, and the use of the Java language is only one piece of the ...

### 16 Verifying object initialization in the Java bytecode language

Stéphane Doyon, Mourad Debbabi

March 2000 **Proceedings of the 2000 ACM symposium on Applied computing**

Full text available:  pdf(886.49 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 17 Technical correspondence: Java RMI, RMI tunneling and Web services comparison and performance analysis

Matjaz B. Juric, Bostjan Kezmah, Marjan Hericko, Ivan Rozman, Ivan Vezocnik

May 2004 **ACM SIGPLAN Notices**, Volume 39 Issue 5

Full text available:  pdf(1.38 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

This article compares different approaches for developing Java distributed applications which have to communicate through firewalls and proxies, including RMI over open ports, HTTP-to-port, HTTP-to-CGI, HTTP-to-servlet tunneling and web services. A functional comparison of approaches has been done, as well as a detailed performance analysis with overhead analysis and identification of optimizations. Therefore the paper contributes to the overall understanding of different approaches for developing ...

**Keywords:** RMI, SOAP, performance, tunneling, web services

### 18 Testing of java web services for robustness

Chen Fu, Barbara G. Ryder, Ana Milanova, David Wonnacott

July 2004 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 2004 ACM SIGSOFT international symposium on Software testing and analysis**, Volume 29 Issue 4

Full text available:  pdf(264.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents a new compile-time analysis that enables a testing methodology for white-box coverage testing of error recovery code (i.e., exception handlers) in Java web services using compiler-directed fault injection. The analysis allows compiler-generated instrumentation to guide the fault injection and to record the recovery code exercised. (An injected fault is experienced as a Java exception.) The analysis (i) identifies the *exception-flow 'def-uses'* to be tested in this manne ...

**Keywords:** def-use testing, exceptions, java, test coverage metrics

### 19 In memory of David Huffman

Kevin Fu

March 2000 **Crossroads**, Volume 6 Issue 3

Full text available:  html(28.37 KB) Additional Information: [full citation](#), [index terms](#)

### 20 Java:introduction

Vishal Shah

November 1997 **Crossroads**, Volume 4 Issue 2

Full text available:  html(37.68 KB) Additional Information: [full citation](#), [index terms](#)

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### RandomAccessFile (Java 2 Platform SE v1.4.2)

... Writes a char to the file as a **two-byte** value, high byte first. ... their meanings are as specified for the RandomAccessFile(File,**String**) constructor. ...

[java.sun.com/j2se/1.4.2/docs/api/java/io/RandomAccessFile.html](http://java.sun.com/j2se/1.4.2/docs/api/java/io/RandomAccessFile.html) - 83k - [Cached](#) - [Similar pages](#)

### JNI Types

... null byte (byte)0 is encoded using the **two-byte** format rather than the **one-byte** format. ... For example, the class descriptor for **java.lang.String** is: ...

[java.sun.com/docs/books/jni/html/types.html](http://java.sun.com/docs/books/jni/html/types.html) - 26k - [Cached](#) - [Similar pages](#)

[ [More results from java.sun.com](#) ]

### CollectionUtil (JFDraw Documentation)

... Compare if **two byte** array is equal. Parameters:: array1 - **one byte** array. ...

public static int getKeyByValue(**java.util.Map** map, **java.lang.String** val ...

[www.jfimage.com/docs/com/jfimage/ utils/commonutil/CollectionUtil.html](http://www.jfimage.com/docs/com/jfimage/ utils/commonutil/CollectionUtil.html) - 23k - [Cached](#) - [Similar pages](#)

### TupleInput (Sleepycat Software, Inc. - Berkeley DB Java Edition API)

... each **two byte** unsigned value to a character of the resulting **string**. ...

writeBytes(**java.lang.String**) . Only characters with values below 0x100 may be ...

[www.sleepycat.com/jedocs/java/ com/sleepycat/bind/tuple/TupleInput.html](http://www.sleepycat.com/jedocs/java/ com/sleepycat/bind/tuple/TupleInput.html) - 47k - [Cached](#) - [Similar pages](#)

### RandomAccessFile (GNU Classpath 0.14+cvs Documentation)

... indicate a **two byte** character encoding, then they would be converted to a **Java**

char like so: ... **One byte** is written for each character in the **String** . ...

[developer.classpath.org/doc/java/io/RandomAccessFile.html](http://developer.classpath.org/doc/java/io/RandomAccessFile.html) - 102k - [Cached](#) - [Similar pages](#)

### Phaos SSLava 1.3.1: Class Utils

... public static **java.lang.String** toHexString(byte[] b, int off, int len) ...

Each pair of characters in the **string** represents **one byte**. ...

[www.phaos.com/resources/docs/Phaos\\_SSLava\\_1.3.1/apidoc/crysec/Utils.html](http://www.phaos.com/resources/docs/Phaos_SSLava_1.3.1/apidoc/crysec/Utils.html) - 53k - [Cached](#) - [Similar pages](#)

### Phaos Crypto 3.0: Class Utils

... plural. public static **java.lang.String** plural(int n, **java.lang.String** noun)

... Each pair of characters in the **string** represents **one byte**. ...

[www.phaos.com/resources/docs/Phaos\\_Crypto\\_3.0/apidoc/com/phaos/Utils.html](http://www.phaos.com/resources/docs/Phaos_Crypto_3.0/apidoc/com/phaos/Utils.html) - 72k -

[Cached](#) - [Similar pages](#)

### : Class CardFilePath

... sequence of **two byte** file IDs as defined in ISO 7816-4; Short File ID: **One**

**byte** short file ... public static final **java.lang.String** PARTIALAPPID\_POSTFIX ...

[www.opencard.org/docs/1.2/ opencard/opt/iso/fs/CardFilePath.html](http://www.opencard.org/docs/1.2/ opencard/opt/iso/fs/CardFilePath.html) - 29k - [Cached](#) - [Similar pages](#)

### DS1302 (Javelin 2 Class Specification)

... For example add the **constructor** and the following lines of code: ... Takes an integer and formats it to **two byte string** with a leading zero ...

[www.parallax.com/dl/appnt/jav2/ds1302.html](http://www.parallax.com/dl/appnt/jav2/ds1302.html) - 24k - [Cached](#) - [Similar pages](#)

### Learning Java - Chapter 9 : Java

... is used to encode text characters (eg **string** literals) for the **Java** class files.

... **Java** typically runs on platforms that use **one byte** extended ASCII ...

[www.particle.kth.se/~lindsey/JavaCourse/Book/Part1/Java/Chapter09/characterEncoding.html](http://www.particle.kth.se/~lindsey/JavaCourse/Book/Part1/Java/Chapter09/characterEncoding.html) - 57k - Apr 14, 2005 -

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